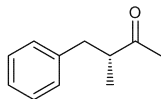


Stereochemistry abstracts

Bruno R. S. de Paula, Dávila S. Zampieri, J. Augusto R. Rodrigues, Paulo J. S. Moran *

Tetrahedron: Asymmetry 24 (2013) 973



C₁₁H₁₄O

(*R*)-3-Methyl-4-phenylbutan-2-one

ee = 96%

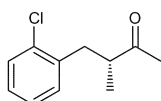
$[\alpha]_D^{25} = -20.6$ (c 1.00, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (*R*)

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C₁₁H₁₃ClO

(*R*)-4-(2'-Chlorophenyl)-3-methylbutan-2-one

ee >99%

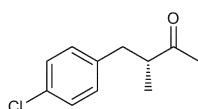
$[\alpha]_D^{25} = -22.5$ (c 0.94, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (*R*)

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C₁₁H₁₃ClO

(*R*)-4-(4'-Chlorophenyl)-3-methylbutan-2-one

ee = 92%

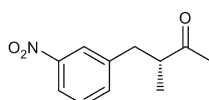
$[\alpha]_D^{25} = -25.0$ (c 1.60, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (*R*)

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C₁₁H₁₃NO₃

(*R*)-3-Methyl-4-(3'-nitrophenyl)butan-2-one

ee = 83%

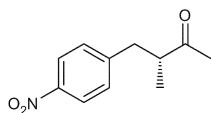
$[\alpha]_D^{25} = -4.9$ (c 1.50, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (*R*)

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C₁₁H₁₃NO₃

(R)-3-Methyl-4-(4'-nitrophenyl)butan-2-one

ee = 82%

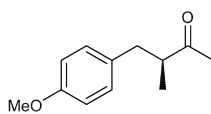
$[\alpha]_D^{25} = -10.7$ (c 1.45, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (R)

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Tetrahedron: Asymmetry 24 (2013) 973



C₁₂H₁₆O₂

(S)-4-(4'-Methoxyphenyl)-3-methylbutan-2-one

ee = 53%

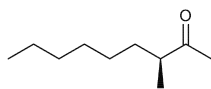
$[\alpha]_D^{25} = +12.1$ (c 1.59, CHCl₃)

Source of chirality: asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (S)

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Tetrahedron: Asymmetry 24 (2013) 973



C₁₀H₂₀O

(S)-3-Methylnonan-2-one

ee = 91%

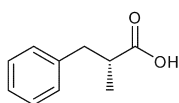
$[\alpha]_D^{25} = +6.0$ (c 1.01, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (S)

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Tetrahedron: Asymmetry 24 (2013) 973



C₁₀H₁₂O₂

(R)-2-Methyl-3-phenylpropanoic acid

ee = 92%

$[\alpha]_D^{25} = -20.8$ (c 0.87, CHCl₃)

Source of chirality: Asymmetric reduction mediated by *Saccharomyces cerevisiae*

Absolute configuration: (R)

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